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**INFORMATION REPORT**  
**CONFIDENTIAL**

CD NO.

25X1

COUNTRY Rumania

**SUBJECT** Chemical Composition of Cement  
Produced in Rumania

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1. The following is a Rumanian chemical analysis of cement, type P-400, which is being offered for export by Romanoexport. Only certain limited quantities of cement are being made available by Rumania, reportedly because of heavy internal consumption.

Romanoexport - Cement P-400

### Chemical Characteristics:

	<u>Minimum</u>	<u>Maximum</u>
Containing in MgO	2.5 percent	4 percent
Containing in SO <sub>3</sub>	2.5 percent	2.75 percent
Losses in calcination	3 percent	3 percent
Insoluble in chlorohydric acid (sic)	1 percent	1 percent

**Physical Characteristics:**

Mechanical resistance to tension applying a kg/cm<sup>2</sup> load

More than 3 days	20 percent	21.09 percent
More than 7 days	25 percent	26.37 percent
More than 28 days	28 percent	Not given

Mechanical resistance to compression applying a kg/cm<sup>2</sup> load

More than 3 days	200 percent	112.5 percent
More than 7 days	280 percent	175.8 percent
More than 28 days	400 percent	Not given

A further analysis is as follows:

SiO <sub>2</sub>	18 percent	5 percent
Al <sub>2</sub> O <sub>3</sub>	4 percent	
Fe <sub>2</sub> O <sub>3</sub>	2 percent	5 percent
CaO	59 percent	68 percent
MgO		2.5 percent

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CENTRAL INTELLIGENCE AGENCY

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Minimum

Maximum

Insoluble in chlorohydric  
acid (sic)  
Losses in Calcination

1.0 percent  
3.0 percent

2. Rumania also produces another type of cement called P-300, which is reportedly of inferior quality and hence not for export.

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